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NOTICE OF ALLOWANCE AND FEE(S) DUE

52835 7590 05/22/2008

HAMRE, SCHUMANN, MUELLER & LARSON, P.C. P.O. BOX 2902

MINNEAPOLIS, MN 55402-0902

EXAMINER
WITHERSPOON, SIKARL A

ART UNIT PAPER NUMBER

1621 DATE MAILED: 05/22/2008

APP	LICATION NO.	FILING DATE	FIRST NAMED INVENTOR			A'	TTORNEY DOCKE	ET NO.	CONFIRMATION NO.	
10/579,219		03/09/2007	Kundu '	Tapas Kumar			11378.1000USV	vo	1175	
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ACETYLTRANSFERASES AND USES THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/22/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This f appropriate. All further c indicated unless corrected maintenance fee notificati	ons.											
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)						Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.						
52835 7590 0522/2008 HAMRE, SCHUMANN, MUELLER & LARSO P.O. BOX 2902 MINNEAPOLIS, MN 55402-0902					Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmital is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPIO (517) 1273-2888, on the date indicated between the Computer of the Co							
				[(Depositor's name)		
				[(Signature							
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APPLICATION NO.	FILING DATE	FIRST NAMED INVE			NTOR ATTORNEY DOCKET :				O. CONFIRMATION NO.			
10/579,219	03/09/2007			Kundu Tapas Kuma	r		13	1378.1000USWO		1175		
TITLE OF INVENTI- ACETYLTRANSFERASI			ED BENZOPHI	ENONES AND TH	IEIR	ISOMERS A	AS E	NHIBITORS OF I	HISTO	NE		
APPLN. TYPE	SMALL ENTITY	ISS	UE FEE DUE	PUBLICATION FEE DU	E P	REV. PAID ISSU	E FEE	TOTAL FEE(8) DUE		DATE DUE		
nonprovisional	NO		\$1440	\$300		\$0		\$1740		08/22/2008		
EXAMI	NER		ART UNIT	CLASS-SUBCLASS	\neg							
WITHERSPOO!	N, SIKARL A		I62I 568-300000									
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). □ Change of correspondence address (or Change of Correspondence Address form PIOSBH/22) attached. □ Tee Address' Indication (or "Fee Address" Indication form PTOSBH/27 or more recent) attached. Use of a Custome Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED OF PLEASE NOTE: Unless an assignee is identified below, no assign recordation as set forth in 37 CFR 3.11. Completion of this form is 3. (A) NAME of ASSIGNEE.				used, no name win de printed.								
Please check the appropriate. 4a. The following fee(s) as Issue Fee	ate assignee category or	categor			☐ In	ndividual 🗖 Co	orporat	ion or other private gro				
☐ Publication Fee (No small entity discount permitted)				Payment by credit card. Form PTO-2038 is attached.								
Advance Order - # of Copies				The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form					y, or credit any copy of this form).			
5. Change in Entity State	SMALL ENTITY statu	s. See 3	7 CFR 1.27.	☐ b. Applicant is no	longer	claiming SMAI	LLEN	TITY status. Sec 37 Cl	R 1.27	7(g)(2).		
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requeeords of the United Sta	iired) w tes Pate	rill not be accepte nt and Trademark	from anyone other the Office.	ın the	applicant; a regi	stered	attorney or agent; or th	e assig	nee or other party in		
Authorized Signature						Date						
Typed or printed name				Registration No.								
This collection of informa an application. Confidenti submitting the completed this form and/or suggestion Box 1450, Alexandria, Vi Alexandria, Virginia 2231	tion is required by 37 C ality is governed by 35 application form to the ns for reducing this bur rginia 22313-1450. DC 3-1450.	FR 1.31 U.S.C. USPTO den, sh O NOT S	11. The informatic 122 and 37 CFR D. Time will vary ould be sent to the SEND FEES OR O	on is required to obtain 1.14. This collection is depending upon the in e Chief Information Of COMPLETED FORMS	or reta estim dividu ficer, TO T	uin a benefit by t ated to take 12 i al case. Any co U.S. Patent and THIS ADDRESS	he pub minute ommen Trader S. SEN	lic which is to file (and s to complete, including ts on the amount of time mark Office, U.S. Dep D TO: Commissioner	by the g gathe ne you artment for Pate	e USPTO to process) ering, preparing, and require to complete to f Commerce, P.O. ents, P.O. Box 1450,		

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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10/579,219	03/09/2007	Kundu Tapas Kumar	11378.1000USWO	1175			
52835 7.	590 05/22/2008	EXAMINER					
HAMRE, SCHU	MANN, MUELLER	WITHERSPOON, SIKARL A					
P.O. BOX 2902		ART UNIT	PAPER NUMBER				
MINNEAPOLIS.	MN 55402-0902	1701					

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/579,219	TAPAS KUMAR ET AL.	
Examiner	Art Unit	
Sikarl A. Witherspoon	1621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to an amendment filed 10 April 2008.
- The allowed claim(s) is/are 6-15.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - b) ☐ Some* c) ☐ None of the: a) 🔯 All
 - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No.
 - 3. X Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. | Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08). Paper No./Mail Date
- 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7. X Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- Other .

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Art Unit: 1621

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with applicants' representative, Douglas Mueller on May 7, 2008.

The application has been amended as follows:

In the specification, the following has been inserted on page 4 directly above line 25:

Brief Description of the Drawings

Figure 1.0 depicts a Garcinol derivative according to the present invention.

Figure 2.0 depicts an Isogarcinol derivative according to the present invention.

In the figures, on the second page of drawings, i.e. the page showing the compound of formula II, the title of the figure, "Figure 1.0" has been changed to Figure 2.0.

In the claims, claims 12 and 15 as presented in the amendment dated April 10, 2008, have been rewritten as follows:

12. (Currently Amended) A method of inhibiting histone acetyltransferase (HAT) in a subject, wherein said method comprises a step of administering a derivative of Garcinol or Isogarcinol of formula I or formula II

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Art Unit: 1621

FORMULA I

respectively, to the subject, wherein R1, R2, and R3, substituents of the Garcinol derivative of formula I, and R4 and R5, substituents of the Isogarcinol derivative of formula II, are selected from the group consisting of methoxy, ethoxy, isopropoxy, allyloxy, butoxy, t-butoxy, pentoxy, hexyloxy, O-CH2-COOh, O-CO-CH2CI, O-SO2-CH3, and O-CH2-CHOH-CH3.

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15. (New) The method as claimed in claim 12, wherein the subject suffers from at least one disease selected from the group consisting of cancer, asthma, cardiac hypertrophy, and acquired immunodeficiency syndrome.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: the examiner has considered the amendment filed by applicants on April 10, 2008. The amendment was effective in overcoming the claim objection(s) and rejection(s) made in the previous Office Action. Accordingly, the instant claims are now allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikarl A. Witherspoon whose telephone number is 571-272-0649. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 571-272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sikarl A. Witherspoon/ Primary Examiner, Art Unit 1621